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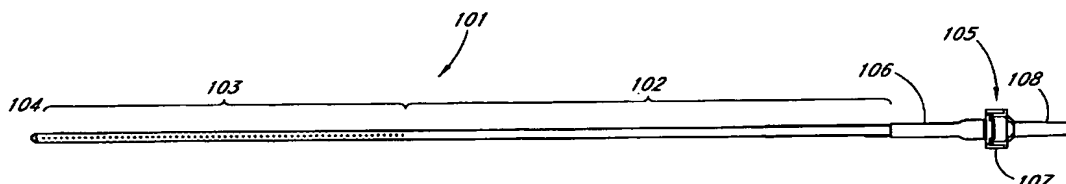
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(54) Title: SYSTEM FOR EFFICIENT DRAINAGE OF BODY CAVITY



(57) Abstract: A system for efficient drainage of a body cavity includes application of vacuum at very high pressure, preferably in the range of approximately 50-500 torr or higher. The system includes the use of a drainage tube having a plurality of holes formed into the wall of a portion of the tube to be inserted in the body cavity. The area of each of the holes is preferably selected to ensure that the suction force communicated by each of the holes to areas within the body cavity is insufficient to injure the tissues exposed in the body cavity. A one-way valve maintains unidirectional flow of drained fluids and gases away from the body cavity. A vacuum relief valve prevents application of dangerous levels of vacuum pressure by opening to admit atmospheric air when vacuum pressure exceeds a predetermined threshold. A vacuum chamber separates drained fluids from drained gases.



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